IFWO

RAW SEQUENCE LISTING   DATE: 09/09/2004
PATENT APPLICATION: **US/10/785,436**   TIME: 09:17:23

Input Set : **A:\3DP0544.ST25.txt**
Output Set: **N:\CRF4\09092004\J785436.raw**

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 3 <110> APPLICANT: Springer, Barry A.
 4         Pantoliano, Michael W.
 5         Sharp, Celia M.
 7 <120> TITLE OF INVENTION: ANALOGS OF HUMAN BASIC FIBROBLAST GROWTH FACTOR MUTATED AT
ONE OR
 8         MORE OF THE POSITIONS GLUTAMATE 89, ASPARATE 101 OR LEUCINE 137
10 <130> FILE REFERENCE: 3DP-0544
12 <140> CURRENT APPLICATION NUMBER: US 10/785,436
13 <141> CURRENT FILING DATE: 2004-02-23
15 <150> PRIOR APPLICATION NUMBER: US 09/722,495
16 <151> PRIOR FILING DATE: 2000-11-28
18 <150> PRIOR APPLICATION NUMBER: US 09/220,077
19 <151> PRIOR FILING DATE: 1998-12-23
21 <150> PRIOR APPLICATION NUMBER: US 60/068,667
22 <151> PRIOR FILING DATE: 1997-12-23
24 <160> NUMBER OF SEQ ID NOS: 3
26 <170> SOFTWARE: PatentIn version 3.3
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 483
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo sapiens
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35 <221> NAME/KEY: CDS
36 <222> LOCATION: (1)..(474)
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40 Met Gly Thr Met Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro
41 1               5                   10                  15
43 gag gat ggc ggc agc ggc gcc ttc ccg ccc ggg cac ttc aag gac ccc      96
44 Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro
45              20                  25                  30
47 aag cgg ctg tac tgc aaa aac ggg ggc ttc ttc ctg cgc atc cac ccc     144
48 Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro
49          35                  40                  45
51 gac ggc cga gtt gac ggg gtc cgg gag aag agc gac cct cac atc aag     192
52 Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
53      50                  55                  60
55 cta caa ctt caa gca gaa gag aga gga gtt gtg tct atc aaa gga gtg     240
56 Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val
57 65                  70                  75                  80
59 tgt gct aac cgg tac ctg gct atg aaa gaa gat ggt cga ctg ctg gct     288
60 Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala
61              85                  90                  95
63 tct aaa tgc gtt acc gat gag tgc ttc ttc ttc gaa cgt ctc gag tct     336
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64 Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser
65         100             105             110
67 aac aac tac, aac acc tac cgt tcg aga aaa tac acc agt tgg tat gtg    384
68 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
69         115             120             125
71 gca ctt aag cgt acc ggt cag tac aaa ctt ggt tct aag acg ggc cca    432
72 Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
73     130             135             140
75 ggt cag aaa gct atc ctg ttc ctg ccg atg tct gct aaa tct tgaggatcc  483
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91 Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro
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95 Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro
96         35              40              45
99 Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
100     50              55              60
103 Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val
104 65              70              75              80
107 Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala
108             85              90              95
111 Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser
112         100             105             110
115 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
116         115             120             125
119 Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
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127 <210> SEQ ID NO: 3
128 <211> LENGTH: 175
129 <212> TYPE: DNA
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135 tttttgaac gattggaatc taataactac aatacttacc gctcgagaaa atacaccagt  120
137 tggtatgtgg cacttaagcg taccggtcag tacaagcttg gttctaaaac gggcc        175
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VERIFICATION SUMMARY   DATE: 09/09/2004
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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date